Грамматика курсовой работы:

lang: (expr)\*

expr: declare | assign | for\_loop | switcher

declare: VAR\_KW WS VAR SM

assign: VAR ASSIGN\_OP| LESS\_OP|MORE\_OP|LESSOREQ\_OP|MOREOREQ\_OP smth SM

smth: smth\_unit (PLUS| MINUS |DEL| UMN smth\_unit)\*

sth\_unit: OPENBR smth DIGIT | VAR (CLOSEBR)\*

for\_loop: for\_decl for\_body

for\_decl: FOR\_KW OPENBR (assign)\* for\_incdec

for\_body: OPENBRECES (assign)\* CLOSEBRECES

for\_incdec: VAR INC| DEC CLOSEBR

switcher: switcher\_decl switcher\_body

switcher\_decl: SWITCHER\_KW OPENBR VAR CLOSEBR

switcher\_body: OPENBRECES (exprSwi)\* defaultSwi CLOSEBRECES

exprSwi: CASE\_KW DIGIT CL ASSIGN BREAK\_KW SM

defaultSwi: DEFAULT\_KW CL BREAK\_KW SM

Терминалы:

VAR\_KW: ^var$

WS: ^\\s\*$

VAR: ^[a-zA-Z]+$\*

DIGIT: ^0|[1-9]{1}[0-9]\*$

SM: ^;$

ASSIGN\_OP: ^=$

OPENBR: ^[)]$

CLOSEBR: ^[(]$

PLUS: ^[+]$

MINUS: ^[-]$

DEL: ^[/]$

UMN: ^[\*]$

LESS\_OP: ^[<]$

MORE\_OP: ^[>]$

LESSOREQ\_OP: ^[<=]$

MOREOREQ\_OP: ^[>=]$

FOR\_KW: ^for$

INC: ^[+]{2}$

DEC : ^[-]{2}$

SWITCH\_KW : ^switch$

CASE\_KW : ^case$

DEFAULT\_KW : ^default$

BREAK\_KW: ^break$

OPENBRECES : ^[}]$

CLOSEBRECES: ^[{]$

CL: ^[:]$